ABSTRACT OF THE DISCLOSURE

It is suggested to machine contaminated surfaces, in particular radioactively contaminated concrete surfaces and masonry with pneumatically actuated striking tools. It has been shown that this is an extremely low-dust machining method with which the essentially the particles are struck off in the size order of 0.2 to 2.0 mm.

The method may be realized with a device (1) with which in a housing (2) several chambers are arranged over one another. Most preferred at the top a pressurized air feed chamber (10) is fed via a pressurized air connection (3). Therebelow there is located a pressurized air suction chamber (12) which comprises a suction connection (4). At the bottom there is arranged a collecting chamber in which chisel-like hammer bolts (51) are effective. The hammer bolts which are part of the striking tools (5) project out of the housing (2). The striking tools (5) pass through the pressurized air feed chamber (10), the suction chamber lying thereunder as well as an expansion chamber arranged under the suction chamber (12). The expanded air (11) reaches the surroundings and is in turn suctioned via the collecting chamber (13) which is limited to the surroundings by way of an air-permeable seal in the form of a brush seal (9). The device (1) is held by a clip (6) on which there is provided a mounting (7) which serves for connecting to a robot arm.